IN THE CLAIMS

For the convenience of the Examiner, all pending claims of the present Application are shown below whether or not an amendment has been made.

Please amend the claims as follows.

1. (Original) An apparatus for selective recovery of data in a communications environment, comprising:

a cell site element operable to build a recognizable bit pattern into one or more of subframes associated with a communication flow, wherein one or more of the subframes may be positioned into a superframe, and wherein in cases where one or more errors are present in the superframe, the superframe may be demultiplexed such that one or more of the subframes included in the superframe are analyzed and then discarded or forwarded based on a presence of one or more of the errors.

2. (Original) The apparatus of Claim 1, further comprising:

an aggregation node operable to receive the superframe and to perform the discarding and forwarding operations for the superframe.

3. (Original) The apparatus of Claim 2, wherein a cyclic redundancy check (CRC) segment is built into the subframes that are positioned in the superframe, and wherein a CRC operation may be performed by the aggregation node.

4. (Original) The apparatus of Claim 2, wherein the aggregation node is further operable to decompress the superframe after it is received.

5. (Original) The apparatus of Claim 1, wherein the cell site element is further operable to compress information associated with the communication flow before the information is sent to a next destination.

6. (Original) The apparatus of Claim 1, wherein if the superframe does not contain one or more of the errors then it is forwarded for demultiplexing.

7. (Original) An apparatus for selective recovery of data in a communications environment, comprising:

an aggregation node operable to receive a superframe that includes plurality of subframes associated with a communication flow, wherein a recognizable bit pattern is built into one or more of the subframes, and wherein in cases where one or more errors are present in the superframe, the superframe may be demultiplexed such that one or more of the subframes included in the superframe are analyzed and then discarded or forwarded based on a presence of one or more of the errors.

8. (Original) The apparatus of Claim 7, further comprising:

a cell site element operable to build the superframe using the one or more subframes.

9. (Original) The apparatus of Claim 7, wherein a cyclic redundancy check (CRC) segment is built into the subframes that are included in the superframe, and wherein a CRC operation may be performed by the aggregation node.

10. (Original) The apparatus of Claim 7, wherein the aggregation node is further operable to decompress the superframe before it is sent to a next destination.

11. (Original) The apparatus of Claim 7, wherein if the superframe does not contain one or more of the errors then the superframe is forwarded for demultiplexing.

12. (Original) A method for selective recovery of data in a communications environment, comprising:

building a recognizable bit pattern into one or more subframes that are associated with a communication flow; and

positioning one or more of the subframes into a superframe, wherein in cases where one or more errors are present in the superframe, the superframe may be demultiplexed such that one or more of the subframes included in the superframe are analyzed and then discarded or forwarded based on the presence of one or more of the errors.

13. (Original) The method of Claim 12, further comprising:
building a cyclic redundancy check (CRC) segment into the subframes that are included in the superframe.

14. (Original) The method of Claim 12, further comprising:
decompressing the superframe before the superframe is sent to a next destination.

15. (Original) The method of Claim 12, further comprising:
compressing information associated with the communication flow before the information is sent to a next destination.

16. (Original) The method of Claim 12, further comprising:
performing a CRC operation after the superframe is received.

17. (Original) A system for selective recovery of data in a communications environment, comprising:

means for building a recognizable bit pattern into one or more subframes that are associated with a communication flow; and

means for positioning one or more of the subframes into a superframe, wherein in cases where one or more errors are present in the superframe, the superframe may be demultiplexed such that one or more of the subframes included in the superframe are analyzed and then discarded or forwarded based on the presence of one or more of the errors.

18. (Original) The system of Claim 17, further comprising:
means for building a cyclic redundancy check (CRC) segment into the subframes that are included in the superframe.

19. (Original) The system of Claim 17, further comprising:
means for decompressing the superframe before the superframe is sent to a next destination.

20. (Original) The system of Claim 17, further comprising:
means for compressing information associated with the communication flow before the information is sent to a next destination.

21. (Original) The system of Claim 17, further comprising:
means for performing a CRC operation after the superframe is received.

22. (Currently Amended) Software for selective recovery of data in a communications environment, the software being embodied in a computer readable medium, embedded in a computer program, and comprising computer code such that when executed is operable to:

build a recognizable bit pattern into one or more subframes that are associated with a communication flow; and

position one or more of the subframes into a superframe, wherein in cases where one or more errors are present in the superframe, the superframe may be demultiplexed such that one or more of the subframes included in the superframe are analyzed and then discarded or forwarded based on the presence of one or more of the errors.

23. (Original) The medium of Claim 22, wherein the code is further operable to: build a cyclic redundancy check (CRC) segment into the subframes that are included in the superframe.

24. (Original) The medium of Claim 22, wherein the code is further operable to: decompress the superframe before the superframe is sent to a next destination.

25. (Original) The medium of Claim 22, wherein the code is further operable to:
compress information associated with the communication flow before the information is sent to a next destination.

26. (Original) The medium of Claim 22, wherein the code is further operable to: perform a CRC operation after the superframe is received.